

CLAIM AMENDMENTS:

1 to 14 cancelled

15. (new) A device for generating a homogeneous powder-air mixture, the device comprising:

an intake region for powder, said intake region surrounded by pressurized air forming an enveloping jet;
a pressure section adjacent to and downstream of said intake region, said pressure section extending in an axial direction;
a suction section, extending in a radial direction and having openings communicating with surroundings of the device, wherein said pressure section feeds into said suction section in an orthogonal direction and in an ejector-like manner, with said suction section completely surrounding said pressure section; and
an outlet region disposed immediately downstream of said suction section.

16. (new) The device of claim 15, wherein said intake region carries an inhomogeneous powder-air pre-mixture which terminates in said pressure section.

17. (new) The device of claim 15, wherein said suction section carries ambient air.

18. (new) The device of claim 15, wherein said pressure section is jacketed by said suction section.

19. (new) The device of claim 15, wherein said suction section has several suction passages or openings that feed to the surroundings.
20. (new) The device of claim 19, wherein said suction passages or openings are uniformly distributed about a periphery of said suction section.
21. (new) The device of claim 19, wherein said suction passages or openings are disposed in a radial direction.
22. (new) The device of claim 19, wherein said suction passages or openings are at an angle with respect to a radial direction.
23. (new) The device of claim 15, wherein said outlet has a cylindrical design.
24. (new) The device of claim 15, wherein said suction section conically tapers in a flow direction.
25. (new) The device of claim 15, further comprising an upstream mixer generating a powder-compressed air mixture and having an outlet terminating in said suction section.
26. (new) A method for generating a homogeneous powder-air mixture, the method comprising the steps of:
 - a) blowing a pressurized, inhomogeneous powder-air pre-mixture into a suction section, thereby suctioning in ambient air;
 - b) feeding ambient air into the powder-air mixture orthogonal to a flow direction thereof; and

- c) mixing the pre-mixture of powder and air with the ambient air in an outlet region to form a homogeneous powder-air pre-mixture.